Commercial Motor Vehicles in Collisions

Table 39 shows Commercial Motor Vehicle (CMV) collisions for 1998 through 2001. For the purposes of collision reporting, CMV's are buses, truck tractors, tractor-trailer combinations, trucks with more than two axles, trucks with more than two tires per axle, or trucks exceeding 8,000 pounds gross vehicle weight. This category also includes pickups with dual rear wheels.

Table 39
Commercial Motor Vehicle Collision Rates : 1998-2001

	1998	1999	2000	2001	Change 2000-2001	Avg. Change 1998-2000
Fatal Collisions	26	29	27	35	29.6%	2.3%
Injury Collisions	540	571	509	542	6.5%	-2.6%
Total Collisions	1,685	1,868	1,878	1,893	0.8%	5.7%
Commercial VMT (100 millions)	20.3	24.1	23.7	25.2	6.1%	8.5%
Fatal Collision Rate	1.3	1.2	1.1	1.4	22.2%	-5.6%
Injury Collision Rate	26.5	23.7	21.5	21.5	0.4%	-10.1%
Total Collision Rate	82.8	77.5	79.2	75.2	-5.0%	-2.2%

Table 40 presents the location of CMV collisions by severity and roadway type. While 56% of all CMV collisions occurred on rural roadways, 89% of fatal CMV collisions took place on rural roadways.

The largest percentage of all CMV collisions (45%) occurred on local roads, while the largest percentage of fatal CMV collisions (49%) took place on US and State highways.

Table 40
Location of Commercial Motor Vehicle Collisions by Roadway Type: 2001

	Fatal		Injury		Property Damage		All Collisions	
Interstate								
Rural	6	17.1%	56	10.3%	169	12.8%	231	12.2%
Urban	2	5.7%	44	8.1%	94	7.1%	140	7.4%
U.S. or State Highway								
Rural	15	42.9%	175	32.3%	288	21.9%	478	25.3%
Urban	2	5.7%	50	9.2%	146	11.1%	198	10.5%
Local								
Rural	10	28.6%	108	19.9%	230	17.5%	348	18.4%
Urban	0	0.0%	109	20.1%	389	29.6%	498	26.3%
Total	**35** **1.8%**		**542** **28.6%**		**1316** **69.5%**		**1893**	

Table 41 shows the number of collisions by severity that each type of commercial motor vehicle was involved in for 1998 to 2001.

Table 41
Collisions Involving Commercial Motor Vehicles by Vehicle Type : 1998-2001

	1998	1999	2000	2001	Change 2000-2001	Avg. Change 1998-2000
Bus						
Fatal Collisions	0	2	0	4	400.0%	0.0%
Injury Collisions	33	41	34	42	23.5%	3.6%
Property Damage Collisions	106	110	93	118	26.9%	-5.8%
Single Unit Truck						
Fatal Collisions	13	8	6	11	83.3%	-31.7%
Injury Collisions	196	210	190	211	11.1%	-1.2%
Property Damage Collisions	364	427	437	417	-4.6%	9.8%
Single Unit Truck with Trailer						
Fatal Collisions	3	3	3	1	-66.7%	0.0%
Injury Collisions	49	47	36	20	-44.4%	-13.7%
Property Damage Collisions	106	116	106	83	-21.7%	0.4%
Truck Tractor Only (Bobtail)						
Fatal Collisions	0	0	0	1	100.0%	0.0%
Injury Collisions	4	6	7	5	-28.6%	33.3%
Property Damage Collisions	16	17	16	15	-6.3%	0.2%
Single-Trailer Configurations						
Fatal Collisions	7	14	14	15	7.1%	50.0%
Injury Collisions	209	242	204	248	21.6%	0.0%
Property Damage Collisions	448	513	591	601	1.7%	14.9%
Double-Trailer Configurations						
Fatal Collisions	3	2	5	4	-20.0%	58.3%
Injury Collisions	48	43	47	32	-31.9%	-0.6%
Property Damage Collisions	98	112	111	104	-6.3%	6.7%
Triple-Trailer Configurations						
Fatal Collisions	0	0	0	0	0.0%	0.0%
Injury Collisions	6	2	4	1	-75.0%	16.7%
Property Damage Collisions	10	10	12	14	16.7%	10.0%

** *Crashes between vehicle types are not mutually exclusive. In other words, a crash involving a bus and a single unit truck would be represented in both catagories*

Table 42 shows different vehicle types as a percent of all vehicles in collisions excluding pedestrians, bicyclists and non-motor vehicles.

Table 42
Vehicles in All Collisions by Vehicle Type: 1998-2001

Vehicle Type	1998	1999	2000	2001	Change 2000-2001	Avg. Change 1998-2000
Passenger Cars	21,770	22,320	23,149	22,421	-3.1%	3.1%
%	51.4%	50.9%	50.6%	49.3%	-2.6%	-0.8%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	18,068	18,807	19,790	20,140	1.8%	4.7%
%	42.7%	42.9%	43.2%	44.3%	2.4%	0.7%
Medium Trucks*	748	819	793	770	-2.9%	3.2%
%	1.8%	1.9%	1.7%	1.7%	-2.3%	-0.7%
Large Trucks**	870	991	1,032	1,067	3.4%	9.0%
%	2.1%	2.3%	2.3%	2.3%	4.0%	4.9%
Buses	141	155	127	166	30.7%	-4.1%
%	0.3%	0.4%	0.3%	0.4%	31.5%	-7.6%
Motorcycles	297	257	373	392	5.1%	15.8%
%	0.7%	0.6%	0.8%	0.9%	5.7%	11.3%
All Other***	469	472	508	545	7.3%	4.1%
%	1.1%	1.1%	1.1%	1.2%	7.9%	0.2%
TOTALS	42,363	43,821	45,772	45,501	-0.6%	3.9%

**Medium trucks are single unit trucks with more than 2 tires per axle or more than 2 axles*
***Large trucks include bobtail tractors and tractor-semitrailer combinations*
****Includes Farm Equipment, Recreational Vehicles, Construction , ATVs, Trains, Snowmobiles, Other and Unknown or Missing data.*

Table 43 presents injury severity comparisons by vehicle type for all persons in CMV collisions. In 2001 there were 4,454 persons involved in CMV collisions. Occupants of passenger vehicles combined to comprise 47% of the persons involved in CMV collisions. Of the 29 fatalities that occurred in CMV collisions, 88% were occupants of passenger cars, pickups, vans or other vehicles while 12% were occupants of CMV's.

Table 43
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Collisions: 2001

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	5	13	20	3	41
% of Fatalities	12.2%	31.7%	48.8%	7.3%	0.9%
Serious Injuries	30	63	43	9	145
% of Serious Injuries	20.7%	43.4%	29.7%	6.2%	3.3%
Visible Injuries	128	120	94	10	352
% of Visible Injuries	36.4%	34.1%	26.7%	2.8%	7.9%
Possible Injuries	137	127	99	8	371
% of Possible Injuries	36.9%	34.2%	26.7%	2.2%	8.3%
Non-Injury	1,998	751	729	15	3,493
% of Non- Injury	57.2%	21.5%	20.9%	0.4%	78.4%
Unknown	31	10	10	1	52
% of Unknown	59.6%	19.2%	19.2%	1.9%	1.2%
Column Totals	2,329	1,084	995	46	4,454
(% OF TOTAL)	52.3%	24.3%	22.3%	1.0%	

**Sport Utility Vehicles*
***Includes pedestrians, bicyclists, motorcyclists, farm vehicles, construction equipment, RVs, and trains.*

In 2001, the economic cost of collisions involving commercial motor vehicles was $180.5 million dollars. This represents 12% of the total cost of Idaho collisions (as shown in Table 4).